

Purchase Order Receipt Listing

Thursday, April 05, 2012 10:59:52 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO1617 Receipt Dates from 4/5/2012 to 4/5/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Rev Date/ Emp	Rev Qty (PO U/M)	Cost Per Unit/ Rev Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ Reject Qty	Book Amt
Vendor ID Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO1617	2		M174R0.750	f	4/9/2012	4/5/2012	48.0000	\$5.11	0.0000	0	\$245.26
CAD	No		17-4 round bar .750	f	48.0000	DESJ02		\$245.26	0.0000	0	
			121282								
	3		M303R0.750	f	4/9/2012	4/5/2012	108.0000	\$3.90	0.0000	0	\$421.58
	No		303 Round Bar 0.750	f	108.0000	DESJ02		\$421.58	0.0000	0	
			121282								
	4		M303R1.000	f	4/9/2012	4/5/2012	24.0000	\$6.93	0.0000	0	\$166.23
	No		303 Round Bar 1.00	f	24.0000	DESJ02		\$166.23	0.0000	0	
			121282								
	5		M303H0.500	f	4/9/2012	4/5/2012	12.0000	\$2.70	0.0000	0	\$32.43
	No		303 HEX BAR .500	f	12.0000	DESJ02		\$32.43	0.0000	0	
			121282								
	6		M304R0.750	f	4/9/2012	4/5/2012	36.0000	\$3.30	0.0000	0	\$118.91
	No		304 SS Roundbar .750	f	36.0000	DESJ02		\$118.91	0.0000	0	
			121282								
	8		M6061T6B0.500X02.f	f	4/9/2012	4/5/2012	12.0000	\$2.92	0.0000	0	\$35.07
	No		500								
			6061-T6 Bar .500 x f	f	12.0000	DESJ02		\$35.07	0.0000	0	
			2.50								
			121282								
	9		M6061T6B0.500X05.f	f	4/9/2012	4/5/2012	36.0000	\$6.21	0.0000	0	\$223.40
	No		000								
			6061-T6 Bar .500 x f	f	36.0000	DESJ02		\$223.40	0.0000	0	
			5.00								
			121282								
	10		M6061T6B0.500X01.f	f	4/12/2012	4/5/2012	24.0000	\$1.23	0.0000	0	\$29.43
	No		000								
			6061-T6 Bar .500 x f	f	24.0000	DESJ02		\$29.43	0.0000	0	
			1.00								
			121282								

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRRB Qty/ Reject Qty	Book Amt
Vendor ID \ Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO1617	11		M6061T6B2.000X04.f		4/9/2012	4/5/2012	12.0000	\$22.94	0.0000	0	\$275.29
CAD	No		500		12.0000	DESI02		\$275.29	0.0000	0	
			6061T6 Bar 2.00 x f								
			4.500								
			121282								
	12		M6061T6B0.187X04.f		4/9/2012	4/5/2012	40.0000	\$1.90	0.0000	0	\$76.07
			000								
	No		6061-T6 Bar .187 x f		40.0000	DESI02		\$76.07	0.0000	0	
			4.00								
			121282								
	13		M6061T6H1.000	f	4/9/2012	4/5/2012	12.0000	\$2.20	0.0000	0	\$26.42
	No		6061-T6 HexBar 1.00 f		12.0000	DESI02		\$26.42	0.0000	0	
			121282								
	14		M6061T6R0.750	f	4/9/2012	4/5/2012	36.0000	\$1.19	0.0000	0	\$42.88
	No		6061-T6 Round Bar f		36.0000	DESI02		\$42.88	0.0000	0	
			.750"								
			121282								

Total Received Quantity: 400.0000

Total Qty to Inspect (PO U/M): 0.0000

Total Reject Quantity: 0.0000

Total Receipt Value: \$1,692.96

Total Balance Due Quantity: 0.0000

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ...Continued

5) Our Order PEC-436385- 5 Your PO # 16567 ALUMINIUM FLAT BAR 6061-T6511 .50" X 2.50" X 144.0000" Heat Number 200224015 Tag No 53174 Quantity 12 FT PCS 1 WT LBS 17	4) Our Order PEC-436385- 4 Your PO # 16567 STAINLESS STEEL ROUND BAR 304L .750" DIA X 144.0000" Heat Number B1T1 Tag No 53173 Quantity 36 FT PCS 3 WT LBS 55	3) Our Order PEC-436385- 3 Your PO # 16567 STAINLESS STEEL HEX BAR 303 STAINLESS .50" HEX X 144.0000" Heat Number 3Q060 Tag No 53172 Quantity 12 FT PCS 1 WT LBS 9	2) Our Order PEC-436385- 2 Your PO # 16567 STAINLESS STEEL ROUND BAR 303 STAINLESS 1.00" DIA X 144.0000" Heat Number BOK5 Tag No 53171 Quantity 24 FT PCS 2 WT LBS 65	1) Our Order PEC-436385- 1 Your PO # 16567 STAINLESS STEEL ROUND BAR 303 STAINLESS .750" DIA X 144.0000" Heat Number 24778 Tag No 53170 Quantity 108 FT PCS 9 WT LBS 164
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B I L L O F L A D I N G - REPRINT

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783

Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783
Via VIM TRANSFER
CONCORD
PREPAID
0 - 0 Manifest 2979
Slip STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

No: PEC 760783
Date 04Apr12 at 13:24 From PFW

Ship Date 04Apr12 at 13:24 From PFW
Via VIM TRANSFER
FOB CONCORD
Route 0 - 0 Manifest
Trailer

SIP STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-436385-1 Your PO # 16617
STAINLESS STEEL ROUND BAR 303 STAINLESS
Heat Number 24778
Tag No 53170
2) Our Order PEC-436385-2 Your PO # 16617
STAINLESS STEEL ROUND BAR 303 STAINLESS
Heat Number 53171
Tag No 53170

Quantity 108 FT
PCS 9
Wt LBS 164

3) Our Order PEC-436385-3 Your PO # 16617
STAINLESS STEEL HEX BAR 303 STAINLESS
Heat Number 3A060
Tag No 53172
4) Our Order PEC-436385-4 Your PO # 16617
STAINLESS STEEL ROUND BAR 304L
Heat Number 53173
Tag No 53173

Quantity 12 FT
PCS 1
Wt LBS 9

5) Our Order PEC-436385-5 Your PO # 16617
ALUMINUM FLAT BAR 6061-T6511
Heat Number Z00224015
Tag No 53174

Quantity 12 FT
PCS 1
Wt LBS 17

Page: 1 ...Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MARCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

RECU EN BONNE CONDITION / RECEIVED IN GOOD CONDITION
TVQ/GST # 1017327981 TQ001 TFS/GST TVH/HST # 140223934 RT0001

DATE

12/4/4

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 12 ... Continued

1/12/95

11) Our Order PEC-436385- 11 Your PO # ~~16567~~ 16617
ALUMINUM HEXAGON BAR 6061-T6511
1.00" X 144.0000"

Heat Number	P0.750046
Tag No	53181
Quantity	36 FT
PCS	3
Wt LBS	19

10) Our Order PEC-436385- 10 Your PO # ~~16567~~ 16617
ALUMINUM ROUND BAR 6061-T6511
.750" DIA X 144.0000"

Heat Number	201200183
Tag No	53180
Quantity	40 FT
PCS	2
Wt LBS	35

9) Our Order PEC-436385- 9 Your PO # ~~16567~~ 16617
ALUMINUM FLAT BAR 6061-T6511
Part # ONLY 240" LENGTH
Rel #

Heat Number	201204260
Tag No	53178
Quantity	12 FT
PCS	1
Wt LBS	129

8) Our Order PEC-436385- 8 Your PO # ~~16567~~ 16617
ALUMINUM FLAT BAR 6061-T6511
2.00" X 4.50" X 144.0000"

Heat Number	201203685
Tag No	53176
Quantity	24 FT
PCS	2
Wt LBS	14

7) Our Order PEC-436385- 7 Your PO # ~~16567~~ 16617
ALUMINUM FLAT BAR 6061-T6511
.50" X 1.00" X 144.0000"

Heat Number	HK299 078
Tag No	53175
Quantity	36 FT
PCS	3
Wt LBS	105

6) Our Order PEC-436385- 6 Your PO # ~~16567~~ 16617
ALUMINUM FLAT BAR 6061-T6511
.50" X 5.00" X 144.0000"

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033
Ship To: (1) DART AEROSPACE

Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Vehicle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 3 ... Continued

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH
MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
TOTAL G.W 2 BDL 724 LBS

Heat Number
201200183
201200184
201203685
201204260
24778
3A060
B0R5
BIT1
HK299 078
P0.750046
Z00224015

*** Chemical Analysis ***

TOTAL: Tags 12 PCS 32
LBS 696

12) Our order PEC-436385- 12 Your PO # 46567 16617
STAINLESS STEEL ROUND BAR 17-4 STAINLESS
Heat Number 201200184 Tag No 53184
Quantity 48 FT PCS 4
Wt LBS 72

B I L L O F L A D I N G
Heat Number 201200184 Tag No 53183
Quantity 12 FT PCS 1
Wt LBS 12

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033
Ship To: (1) DART AEROSPACE
Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783
Via VIM TRANSFER
FOB CONCORD
Route 0 - 0 Manifest
Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115) DART AEROSPACE

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
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Page: 4 ... Last

CONCORD, ONT. *
*** TEL. 800-926-2600 ***
WE STOCK STAINLESS STEEL
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

B I L L O F L A D I N G

Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783
Ship Date 04Apr12 at 13:24 From PFW
Via VIM TRANSFER
CONCORD
PREPAID
Route 0 - 0 Manifest
Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033
Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

THYSENKRUPP MATERIALS NA

PO/Ref 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
PART NO. 750" DIA X 144.0000"

VIRAL PROFILES LIMITED



Regd & Mkt Off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viral.com
Works: SURVEY No. - 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, weiqe@viral.com

TEST CERTIFICATE

CUSTOMER: FIDELITY STAINLESS LTD., 2213 NORTH SHERIDAN WAY, MISSISSAUGA, ON L5K 1A3, CANADA.
BUNDLE NO: 5151226, 5151223, 5151224, 5151225.
DESCRIPTION: STAINLESS STEEL BRIGHT BARS
COLD DRAWN POLISHED - 2H
SIZE: 3/4" / SHAPE: ROUND / TOLERANCE: ASTM A484 / LENGTH: 12 - 14' / PIECES: 224 / WEIGHT: 4,082.000 LB
PACKING LIST NO: 51/932153/5
ORDER NO: POL1105
INSPECTION NO: 100001360014
GRADE: T-303
HEAT NO: 24778
DATE: 13.11.2011

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3/4"	ROUND	ASTM A484	12 - 14'	224	4,082.000 LB
CHEMICAL ANALYSIS					
%C	%Mn	%Si	%S	%P	%Cu
0.0550	1.930	0.500	0.3050	0.0310	17.340
0.080	0.070	0.050	0.0350	0.080	8.120
%Ni	%Mo	%Co	%N2		
0.070	0.050	0.03500	0.050		

TEST RESULTS

0.2% yield strength	Tensile Strength	Elongation	% Reduction Of Area	Grain Size
ksi	ksi	%	BHN	NOS
93.0	108.0	39.0	221.0	7.0

SPECIFICATION:

MATERIAL CONFORMS TO DIN 10088-3:2005 COND-A & ASTM A 582/A 582M-05 COND A, ASTM A 388-05, ASTM A 484-10, AMS 5640R TYPE I, EXCEPT MARKING, QQQ-764B2 COND A, EXCEPT MARKING, UNS-S-30300, ASTM A314-2002, ASTM A320/A320M-05a, BRF CLASS 1, ASME SA 320 BRF CL1 MIL-S-862 R GRADE AISI 303 & WNR 1.4305. CERTIFIED AS PER EN 10204- 3.1

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO: FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO: GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 0050C, SOAKING TIME 2 HRS, WATER QUENCHED. MELT SOURCE: AOD. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR
K R K MURTHY

Certificate of Mill Test Results

4Apr12 Pg 1/1

WALSENKRUPP MATERIALS NA
 DART AEROSPACE
 STAINLESS STEEL HEX BAR 303 STAINLESS
 PART NO. 144,0000"

WE certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PO/Ref 16567

TA CHEN INTERNATIONAL, INC.

MILL TEST REPORT

MTR#: WLRB2011080139.6

Customer: COPCON PO#: PEC-236801 SO#: PC280
 Item: HB030032 Bundle: WL11045001 Heat#: 3Q060

WALSIN LIHWA CORPORATION YENSHUI PLANT



MILL TEST / INSPECTION CERTIFICATE

3-10, SHI JIU LIAU, CHIN SHUEI L.
 YENSHUI CHEN, TAINANHSIEY, TAIWAN R.O.C.
 Tel: (06)6530911 Fax: (06)6533076

Customer	Steel Grade	AISI	303	Commodity	Weight (LBS)	Condition	Remark
TA CHEN STAINLESS PIPE CO. LTD.							

Item	Head No	Shape	Size	Quantity (Pcs)	Weight (LBS)	Condition	Remark
1	3Q060	H	1/2"	150	1336	CD	WL11045001
Material is free from mercury contamination No welding repaired Solution treatment at 1040°C, 1-2 hour, water quenched Grain size test by B112: fine (5-8) Macro and micro structure: ok Intergranular corrosion test by ASTM A262 Practice E: OK Country of origin: Taiwan							

Kind of Test	C	SI	Mn	P	S	NI	Cr	Mo	Cu	N	Co	Hardness	Tensile	Yield	Elongation	Reduction of Area
Spec.	0.15	1.00	2.00	0.200	0.150	8.00	17.00	0.75	MAX	19.00	0.112	MIN	140	85	125	75.1
1	0.051	0.246	1.903	0.027	0.301	8.536	17.334	0.112	MAX	19.00	0.112	MAX	255	125	75.1	75.1

Condition :	A-Annealed P-Polished PL-Peeling CD-Cold Drawn ST-Smooth Turned CG-Centerless Grinding
Remark :	Invoice No. WTL11045 L/C No. According to ASTM A581-95h cond.A, A582-2005 cond.A A481/A484M, AMS 56100 Type I Q05764B cond.A EN 10204 3.1.B
Shape :	R : Round H : Hexagonal S : Square SR : Square-Round E : Ellipse FB : Rectangular
Here we certify that the material described herein has been manufactured and tested with satisfactory results according to the requirement of the above material specification.	

MANAGER OF QUALITY ASSURANCE DEPARTMENT: M.P. Chiang

This MTR contains 1 page (Page# 1)

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

PART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.50" X 2.50" X 144.0000"

PO# 16567
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

KAISER
ALUMINUM
FABRICATED PRODUCTS

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5206 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-236665-2		CUSTOMER PART NUMBER: ALREC00852		PRODUCT DESCRIPTION: 500 X 2.500 RECT BAR	
KAISER ORDER NUMBER: LINE ITEM: 002	SHIP DATE: 02/07/2012	KAISER LOT NUMBER: 200224015	ALLOY: 6061	TEMPER: T6511	
WEIGHT SHIPPED: 988.000 LB	QUANTITY: 56,000 PCS	B/L NUMBER: 602575	DIA/M/DIA/T/H/K/S: 12.000 FT	WIDTH: 12.000 FT	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA					

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
200224015	0001	1	43.2	45.8	18.3	RE 94	N/A	N/A
200224015	0001	2	43.6	46.0	14.7	RE 91	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.60	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101264	.72	.37	.28	.09	.93	.09	.13	.03	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-08-STRENGTHENED ASME-SB221 1998 SECT II SMS-00-A-2C0/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

[Signature]

PO/REL 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875



BILL TO
ThyssenKrupp Materials NA
SHIP TO
ThyssenKrupp Materials NA PEC
Quantity Certified 1,270 lbs 180 pcs

MANIFEST NUMBER
153735
CUSTOMER PO
PEC-237245
CUSTOMER PART NUMBER
RB0092

DIE NUMBER
RB0092
ALLOY/TEMPER
6061-T6511
DESCRIPTION
SCRB 500x1.000

DATE OF SHIPMENT
3/9/2012
SALESPERSON
David Schroeder
CERTIFICATION
ASTM-B221-08 StencilContinuous
SPECIFICATION
AMS-QQA-200/8

OUR ORDER NUMBER 145569	ITEM 1
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CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Tests	Lot No.	Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
1	201203685	02/29/12		48.9		45.4		14.7	
2	201203685	02/29/12		47.0		42.8		13.6	

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Melted In United States of America
										Each	Total	
012623	6061	0.75	0.34	0.34	0.10	0.92	0.11	0.10	0.02	0.05	0.15	

Print Date: 3/9/2012

Calvin J. Winnings

Calvin J. Winnings Director of Quality & Technical Services

Rev. 8/25/11 - LMS

PO/Rel 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
141851	4

BILL TO ThyssenKrupp Materials NA	MANIFEST NUMBER 148740	DIE NUMBER RB0545	DATE OF SHIPMENT 1/13/2012	CERTIFICATION ASTM-B221-08 StencilContinuous
SHIP TO ThyssenKrupp Materials NA PEC	CUSTOMER PO PEC-235810	ALLOY / TEMPER 6061-T6511	SALES PERSON David Schroeder	SPECIFICATION AMS-QQA-200/8
Quantity Certified 1,556 lbs	CUSTOMER PART NUMBER RB0545 X 240	DESCRIPTION SCRB .188x4.000		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201200183	01/09/12	45.4	42.7	12.0
2	201200183	01/09/12	46.3	43.6	13.5

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Melted In United States of America
										Each	Total	
C67R0044	6061	0.65	0.20	0.19	0.01	0.85	0.06	0.01	0.01	0.05	0.15	

Print Date: 1/13/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/23/11 - LMS

PO/Rel 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**

OUR ORDER NUMBER	ITEM
141851	14

BILL TO ThyssenKrupp Materials NA
SHIP TO ThyssenKrupp Materials NA PEC
Quantity Certified 2,163 lbs 177 pcs

MANIFEST NUMBER 148740
CUSTOMER PO PEC-235810
CUSTOMER PART NUMBER XB0056

DIE NUMBER XB0056
ALLOY/TEMPER 6061-T6511
DESCRIPTION Hex 1.000+/- .005

DATE OF SHIPMENT 1/13/2012
SALESPERSON David Schroeder

CERTIFICATION ASTM-B221-08 StencilContinuous
SPECIFICATION AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States of Canada.

Mechanical Properties

Tests	Lot No.	Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
1	201200184	01/08/12		53.2		50.0		15.9	
2	201200184	01/08/12		53.7		50.9		14.5	
1	201200302	01/12/12		49.0		46.2		15.6	
2	201200302	01/12/12		48.7		45.9		15.0	
3	201200302	01/12/12		48.6		45.7		16.0	

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
C71R0005	6061	0.75	0.37	0.32	0.10	0.89	0.16	0.01	0.02	0.05	0.15
C71R0006	6061	0.77	0.40	0.35	0.11	0.89	0.17	0.01	0.01	0.05	0.15

Melted In
 United States of America

Print Date: 1/13/2012

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 3/3/71 - LWS

PO/Rel 16567

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:



NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

METALLURGICAL TEST REPORT

6870 HIGHWAY 42 EAST

Mail To: THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Certificate: 712109 1

Customer: 007206 001

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 2/15/2012 Page: 1

Steel: 303

Finish: CD

Corrosion:

NAS Order: IN 0140609 01

Your Order: PEC236938

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/05 EN 10204 3.1, ASTM A484/10
AMS 5640U TYPE 1, Q38-764B CONDITION A

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAAS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity	Code
BE3487 2		1.0000		1,008	144.00		1		1

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
B0R5	US	.0402	.0280	17.1530	.1790	1.7540	.2765	.0508	8.4565	.0355
		S	SI							
				.3365		.4330				

MECHANICAL PROPERTIES

Product Id	Id	HB	.2YS	UTS	RA	Elong
	o i	Mo.	KSI	KSI	%	% 4D
BE3487 2	R L	191.00	68.99	105.11	39.81	29.74

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC HESS
2/15/2012



6870 HIGHWAY 42 EAST

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

Mail To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 1/16/2012 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262 Prac A/E OK

Your Order: PEC235177

NAS Order: PN 0016906 03

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/08
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BE3172 8		.7500		1,040	144.00	9	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
B171	OS	.0236	.1235	18.1550	.4320	1.3305	.3675	.0508	8.6485	.0380
		S	SI							
		.0270	.3120							

MECHANICAL PROPERTIES

Product Id	Id	HB	.2YS	UTS	RA	Elng
	o i	No.	KSI	KSI	%	% 4D
BE3172 8	RL	172.00	68.38	99.17	70.46	49.63

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

Certificate of Mill Test Results

4Apr12
 BL PEC-760783-006
 Signed by: Pg 1/1

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
 ALUMINUM FLAT BAR 6061-T6511
 .50" x 5.00" x 144.0000"

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

KAISER
 ALUMINUM
 FABRICATED PRODUCTS

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER:		ALREC00870		PRODUCT DESCRIPTION:		5.00 X 5.00 SC RECT BAR	
KAISER ORDER NUMBER:		LINE ITEM:		SHIP DATE:		KAISER LOT NUMBER:	
613265		001		02/10/2012		HK299 078	
WEIGHT SHIPPED:		QUANTITY:		BAL NUMBER:		DIA/DIA FT/THKNS:	
988.000 LB		28.000 PCS		602618			
SHIP TO:				SOLD TO:			
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA				THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA			

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK299 078	C001	1	43.8	38.3	12.5	RE	92	N/A
HK299 078	C001	2	43.7	38.2	12.8	RE	92	N/A
HK299 078	C001	3	45.5	41.0	12.3	RE	92	N/A
HK299 078	C001	4	45.6	40.9	12.5	RE	92	N/A
HK299 078	C001	5	45.0	39.3	12.8	RE	92	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.30	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H41902	.65	.41	.23	.09	.90	.09	.05	.02	.01	.02	.00	.01	.04

Applicable Requirements:

ASTM-B221-08-STENCILED ASME-B221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 a-so conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested in conformance with applicable specifications forming a part of the Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

[Signature]

Plant Serial: 000292222
 Kaiser Order Number: 613265
 Line Item: 001

PO/Rel 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**

OUR ORDER NUMBER	ITEM
146084	1

BILL TO ThyssenKrupp Materials NA
SHIP TO ThyssenKrupp Materials NA PEC
 Quantity Certified 1,411 lbs

MANIFEST NUMBER 154327
CUSTOMER PO PEC-237466
CUSTOMER PART NUMBER MRB0936

DIE NUMBER MRB0936
ALLOY/TEMPER 6061-T6511
DESCRIPTION MQRB 2.000x4.500

DATE OF SHIPMENT 3/16/2012
SALESPERSON David Schroeder

CERTIFICATION ASTM-B221-08 StencilContinuous
SPECIFICATION AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201204260	03/09/12	52.5	48.6	12.1

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Melted In United States of America
										Each	Total	
0212185	6061	0.76	0.39	0.32	0.11	0.90	0.10	0.04	0.03	0.05	0.15	

Print Date: 3/16/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/23/11 - UMS

Certificate of Mill Test Results

Signed by: _____
 Pg 1/2 4Apr12 BL PEC-760783-010

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
 ALUMINUM ROUND BAR 6061-T6511
 .750" DIA X 144.0000"
 PART NO.



CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-236989-2		CUSTOMER PART NUMBER: 015238-9		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD .750 +/- .004	
KAISER ORDER NUMBER: 002	SHIP DATE: 02/28/2012	KAISER LOT NUMBER: P0.750046	ALLOY: 6061	TEMPER: T6511B	LENGTH: 12.000 FT
WEIGHT SHIPPED: 1010.000 LB	QUANTITY: 162.000 PCS	B/L NUMBER: 602772	DIA/DAFT/HKNS:	WIDTH:	LENGTH:
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA					
SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA					

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
P0.75C046	0001	CC01	50.1	40.6	21.9	RE 96	N/A	N/A
P0.75C046	0001	CC02	54.1	51.1	18.8	RE 96	N/A	N/A
P0.75C046	0001	CC03	52.7	50.1	18.0	RE 96	N/A	N/A
P0.75C046	0001	CC04	49.2	42.6	19.5	RE 96	N/A	N/A
P0.75C046	0001	CC05	49.4	43.5	21.2	RE 97	N/A	N/A
P0.75C046	0001	CC06	49.3	41.7	20.1	RE 96	N/A	N/A
P0.75C046	0001	CC07	49.4	43.5	19.7	RE 95	N/A	N/A
P0.75C046	0001	CC08	49.2	43.1	16.9	RE 95	N/A	N/A
P0.75C046	0001	CC09	49.6	43.6	19.2	RE 95	N/A	N/A
P0.75C046	0001	CC10	49.2	41.7	20.1	RE 96	N/A	N/A
P0.75C046	0001	CC11	49.7	42.2	21.1	RE 95	N/A	N/A
P0.75C046	0001	CC12	48.6	40.8	18.4	RE 96	N/A	N/A
P0.75C046	0001	CC13	49.2	41.5	20.4	RE 96	N/A	N/A
P0.75C046	0001	CC14	49.0	41.2	17.1	RE 96	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	SI	FE	CU	MN	MG	CR	ZN	TI	PB	BI	ZR	EA	TOT
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
A31847	.75	.29	.28	.08	.96	.09	.02	.02	.00	.00	.00	.01	.01

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221.1998 SECT II PER AMS-QQ-A-200/8 UNS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

Plant Serial: 00032248
 Kaiser Order Number: 613912
 Line Item: 002

BART AEROSPACE
ALUMINIUM ROUND BAR 6061-T6511
PART NO. 144.0000"

PO/Rd 16567
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

KAISER
ALUMINIUM
FABRICATED PRODUCTS

KAISER ALUMINIUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager


CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

Certificate of Mill Test Results

Signed by: _____
 4Apr12 BL PEC-760783-012 Pg 1/2

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
 STAINLESS STEEL ROUND BAR 17-4 STAINLESS
 .750" DIA X 144.0000"
 PART NO.



TALLEY METALS
 A Carpenter Company
 CERT SERIAL# 000807336

205 Talley Metals Lane
 McBee, SC 29101 Tel: (610) 208-2000 (800) 338-4592

01/26/12
 CUSTOMER/BESTELLER/CLIENT

THYSSENKRUPP MAT'L'S. CA LTD
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO
 L4K 5G6, CANADA

TALLEY METALS TECH, INC.
 ACCOUNTS PAYABLE
 P.O. BOX 2498
 HARTSVILLE, SC 29551

SELLER/VERKÄUFER/VENDEKUPAGE 1 OF 2

THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT
 CHAPTER 4) MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18.
 ON SAMPLES COLLECTED FROM THE TOTAL LOT, ORIGINAL DATA RECORDS CAN BE TRACED BY
 REFERENCE TO THE CARPENTER ORDER NUMBER.
 MATERIAL IS MANUFACTURED FREE FROM KERCJRAY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
 THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT
 OF CARPENTER TECHNOLOGY CORPORATION.

CUSTOMER ORDER NO./BESTELL.-NR./N° DE COMMANDE	CARPENTER NO./N°LRS.-NR./N° CC REFERENCE INTERNE	DATE/DATE/DATE	WEIGHT/GEWICHT/POIDS
PEC-236142-001	TLX974201 L14077	01/26/12	1629.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COLIER: G18680 UNS NUMBER S17400

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD FINISH

SPECIFICATION: TALLEY 174-TIA CAP OF H900 (01/11/99)

AMS 2303 REV F (08/10)
 AMS 2315 REV F (01/08)
 AMS 5643 REV R (02/08)
 ASTM-A484-11
 ASTM-A564-10
 ASME-SAS64 2011 EDITION (TYPE 630)
 ASTM-F899-11 (CHEM ONLY)

SIZE 0.75000 IN. (19.05 MM) RD BAR

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESES)

C (COM)	0.026	C (COM)	0.024	S (COM)	0.024	CR (XRF)	15.31
MN (XRF)	0.86	SI (XRF)	0.41	P (XRF)	0.023	CB (XRF)	0.25
MO (XRF)	0.26	CU (XRF)	3.74	N (FUS)	0.028	TA (XRF)	0.01
NI (XRF)	4.20						

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES
 THIS MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
 OPERATIONS QUALITY PROGRAM MANUAL REVISION 30, DATED 09/28/11.
 WITH HEAT TREATMENT:
 TYPE SOL AND
 TEMP 1900F (1037C)
 TIME (BATCH FURNACE) 1.30 HOURS
 QUENCH WATER

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW - 294

MAGNETIC PARTICLES: FREQUENCY = 0 / SEVERITY = 0
 MICROSTRUCTURE - FERRITE 1.29%

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification of certification to other parties.
 Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt keine Verantwortung für irgendwelche Aussagen oder Zertifikatsleistungen.
 Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification ou certification à d'autres personnes.

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
PART AEROSPACE
750" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____
4Apr12 BL PEC-760783-012 Pg 2/2

CERTIFICATE OF TESTS
CERT SERIAL# 000807336
TALLEY METALS
A Carpenter Company

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

Talley Metals Technology, Inc.
205 Talley Metals Lane
McBee, SC, 29101 Tel: (610) 208-2000 (800) 338-4592

01/26/12
CUSTOMER/RESISTER/CLIENT
THYSSENKRUPP MATERIALS, CA LTD
PECKOVER'S
2821 LANGSTAFF ROAD
CONCORD, ONTARIO
L4K 5C6, CANADA
TALLEY METALS TECH, INC.
ACCOUNTS PAYABLE
P.O. BOX 2498
HARTSVILLE, SC 29551
SELLER/VERKÄUFER/VENDEURPAGE 2 OF 2

CUSTOMER ORDER NO./BESTELL-NR./# DE COMMANDE	CARPENTER NO./WERKS-NR./# DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
PEC-236142-001	TLY974201 L14077	01/26/12	1629.000

HEAT NUMBER / SCHMELZ-NR. / N° DE COULEE: G18680
CAPABILITY: UNS NUMBER S17400

(7) TRANSVERSE (L) LONGITUDINAL
YIELD STRENGTH, (0.20 %) KSI (MPA) 214.0 (1475)
TENSILE STRENGTH, KSI (MPA) 214.0 (1475)
ELONGATION IN 1.40", % 11.0
REDUCTION OF AREA, % 52.0
HARDNESS, HBW 421.0

AIR COOL

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DEARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1
SUPERSEDED BY DEARS REQUIREMENTS DEARS 252.225-7008 AND 252.7009.
THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE
PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS
PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM
QUALITY ASSURANCE ENGINEER
CARPENTER TECHNOLOGY CORPORATION

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Stephanie E. McCullum

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 1 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL-C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr
Buyer
Requisition Nbr
Tax Resale Nbr
Terms
Currency
FOB

Chantal Lavoie
10127-2607
Net 30
CAD
Destination-Collect

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
(01/27/00)

Line Nbr	Reference	Description/ Mfg ID	Reg Date/ Taxable	Reg Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
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1	M2024T3S.032	2024-T3 .032 sheet	4/12/12	144.00	Yours ppd	\$3.1771	\$457.50
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Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET

AS PER
Q-Q-A-250/4 OR AMS-Q-Q-A-250/4 OR
AMS 4037
OR ASTM B209

17-4 round bar .750
4/09/12
Yes

48.00
Yours ppd

\$3.1050

\$245.04

Special Inst: MATERIAL: 17-4 PH/S17400 TYPE 630 SS

ROUND BAR
AS PER AMS 5643 OR ASTM A564

303 Round Bar 0.750
4/09/12
Yes

108.00
Yours ppd

\$3.9000

\$421.20

Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS

PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Change Nbr: 1

Change Date: 4/02/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

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PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 2 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	905 669 9444	Buyer	Chantal Lavoie
Vendor Phone	905 738 9033	Requisition Nbr	
Vendor Fax		Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

4	M303R1.000	303 Round Bar 1.00	4/09/12	Yes	24.00	f	Yours ppd	\$6,9200	\$166.08	2
Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582										
NOTE: AISI 304/316 NOT ACCEPTABLE										
5	M303H0.500	303 HEX BAR .500	4/09/12	Yes	12.00	f	Yours ppd	\$2,7000	\$32.40	3
Special Inst: MATERIAL: AISI 303 SS HEX BAR AS PER SATM A582										
NOTE: AISI 304/316 NOT ACCEPTABLE										
6	M304R0.750	304 SS Roundbar .750	4/09/12	Yes	36.00	f	Yours ppd	\$3,3000	\$118.80	3
Special Inst: MATERIAL: MATERIAL: 304/316 SS ROUND BAR										
AS PER ASTM A276										
NOTE: AISI 303 NOT ACCEPTABLE										
7	M304B0.750X2.500	304 BAR .750 X 2.50	4/12/12	Yes	12.00	f	Yours ppd	\$24,8500	\$298.20	3
Special Inst: MATERIAL: MATERIAL: 304/316 SS BAR										
OR AISI 304/316 SS PLATE										
AS PER ASTM A276 OR ASTM A240										
NOTE: AISI 303 NOT ACCEPTABLE										

Change Nbr: 1
Change Date: 4/02/12
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 3 of 5

Order From :
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
905 669 9444		
Vendor Fax	Tax Resale Nbr	
905 738 9033		
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	Destination-Collect

8	M6061T6B0.500X02.500	6061-T6 Bar .500 x 2.50	4/09/12	Yes	12.00	Yours ppd	\$2,920.00	\$35.04	1
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4/12/12

Special Inst:	MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM	BAR	AS PER QQ-A-225/8 OR AMS-QQ-A-225/8	OR AMS 4117/4128/4115/4116	OR QQ-A-200/8 OR AMS-QQ-A-200/8	AMS 4160 OR ASTM B211 OR	ASTM B221
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9	M6061T6B0.500X05.000	6061-T6 Bar .500 x 5.00	4/09/12	Yes	36.00	Yours ppd	\$6,200.00	\$223.20	3
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4/12/12

10	M6061T6B0.500X01.000	6061-T6 Bar .500 x 1.00	4/12/12	Yes	24.00	Yours ppd	\$1,225.00	\$29.40	2
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4/12/12

Special Inst:	MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM	BAR	AS PER QQ-A-225/8 OR AMS-QQ-A-225/8	OR AMS 4117/4128/4115/4116	OR QQ-A-200/8 OR AMS-QQ-A-200/8	AMS 4160 OR ASTM B211 OR	ASTM B221
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Change Nbr: 1
Change Date: 4/02/12
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Certification required when applicable

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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PURCHASE ORDER
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Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 4 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr
Buyer
Requisition Nbr
Tax Resale Nbr
Terms
Currency
FOB

Chantal Lavoie
10127-2607
Net 30
CAD
Destination-Collect

11 M6061T6B2.000X04.500 6061T6 Bar 2.00 x 4.500 4/09/12 Yes 12.00 Yours ppd \$22,9200 \$275.04
608

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

12 M6061T6B0.187X04.000 6061-T6 Bar .187 x 4.00 4/09/12 Yes 40.00 Yours ppd \$1,9000 \$76.00
✓ 612/3/8

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

13 M6061T6H1.000 6061-T6 HexBar 1.00 4/09/12 Yes 12.00 Yours ppd \$2,2000 \$26.40
612/3/8

Special Inst: 6061-T6/T651T6510/T6511/T62
ALUMINUM HEX BAR
SPEC: QQ-A-225/8 OR AMS-QQ-A-225/8
(OR AMS4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8(OR
AMS 4160) OR ASTM B211 OR ASTM
B221

Change Nbr: 1 Change Date: 4/02/12
No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

DART aerospace

PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 5 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name	905 669 9444	Vendor Phone
Vendor Fax	905 738 9033	Vendor Account Nbr
Buyer	Chantal Lavoie	
Requisition Nbr	10127-2607	
Tax Resale Nbr	Net 30	
Terms	CAD	
Currency	Destination-Collect	
FOB		

14	M6061T6R0.750	6061-T6 Round Bar .750"	4/09/12	Yes	36.00	Yours ppd	\$1.1900	\$42.84
		MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/ 4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						

15	6061-T0 SHEET .060"	4/12/12	Yes	48.00	Yours ppd	\$2.8125	\$135.00
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Deliver To: DAN.S

PO Total:

\$2,582.14

**MATERIAL CERTIFICATION
REQD UPON DELIVERY**

Change Nbr: 1
Change Date: 4/02/12
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Certificate of Conformity or Material Certification required when applicable